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### **Amendments to the Specification:**

Please amend the Specification as follows:

Please replace paragraph [0010] with the following amended paragraph:

--In light of the invention's equilateral nature through its opening/closing stroke, the invention may also be interconnected with similar mechanisms along compound points of common intersection which may also be hinged, sprung, etc., and yielding a stacked ~~condition~~ configuration for two or more radial-hinge mechanisms.--

Please replace paragraph [0042] with the following amended paragraph:

--Fig. 21 is a front view of a chord diagram derived from the circle diagram of Fig. 20, with the chord ~~lines-segments~~ drawn and the outer circle removed;--

Please replace paragraph [0057] with the following amended paragraph:

--Fig. 36 is a perspective view of a radial-hinge employed in a radial-hinge ~~sink~~ sink/stand apparatus;--

Please replace paragraph [0066] with the following amended paragraph:

--Fig. 44 is a ~~perspective-side~~ view of a standard coiled-spring employed to hold radial-hinge mechanisms together at their peripheral points to create a stack, as in Figs. 42a-43;--

Please replace paragraph [0085] with the following amended paragraph:

--It should also be appreciated that smooth spoke surfaces will generally more easily slide across each other to enhance radial-hinge action, which may also be improved with lubricants. Ball-bearings in tubed spokes generally also reduce friction. It should be appreciated that in some applications it may be desirable to increase, as opposed to decrease, friction associated with the contact of one or more spokes. The spokes of a radial-hinge mechanism may be made from rigid or flexible materials or a combination of both and made

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out of wood, plastic, fiberglass, appropriate metals and alloys, spring steel, composites and any other combination of matter to realize a reliable spoke-member for the desired purpose at hand.--

Please replace paragraph [0087] with the following amended paragraph:

--While the radial-hinge embodiments; discussed herein; include elongated interwoven spokes that are generally of the same length, inconsistent spoke-lengths may be desirable in certain applications and, when implemented, this variance in framework may disrupt the radial-hinge's common feature of having its opposing peripheral points in parallel planes.--

Please replace paragraph [102] with the following amended paragraph:

--With reference again to Figs. 4a-4f, the twelve-spoke radial-hinge mechanism 400 is shown in three different positions; to illustrate its full and common transformational nature from its minimum to maximum range of operation. While the spokes 402 and connectors 404 generally remain the same in their material dimensions as the radial-hinge mechanism is opened or closed, the mechanism's inner-aperture 407 and outer-circumference 406 may systematically ~~contract and dilate~~ dilate or contract as the mechanism 400 is opened or closed.--

Please replace paragraph [0104] with the following amended paragraph:

--As for the designations of opened and closed, these derive their orientation from the way the radial-hinge opens from its original two-dimensional design. This opening also correlates with the opening of the space defined by the inside volumes of a radial-hinge's double-conical-like framework, which stretches open and extends out into its opposite major axis. However, this function of opening also ignores the anomaly of how a radial-hinge mechanism physically closes down upon itself when in its fully-opened mode (as in Figs. 4e-4f) along with simultaneously closing down its inner-aperture and outer-circumference. Additionally, given the perspective of a radial-hinge acting as a linkage between two generally parallel surfaces, this linkage or hinge is closed when the two surfaces are closest together.--

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Please replace paragraph [0106] with the following amended paragraph:

--The current invention can be thought of as a three-dimensional mechanism composed directly off the pattern of its embodiment in two-dimensional space. The first act in designing the radial-hinge mechanism is the choosing of its spoke-count and arc-count per chord. These two parameters are cross-referenced in the chart of Fig. 17, which identifies the existence of twenty-six different versions of radial-hinge mechanisms. The chart in Fig. 17 is only a sub-chart or subset of an infinite set of radial-hinge designs theoretically reproducible in three dimensions. With further reference to the chart of Fig. 17, cross-referenced locations with dashes indicate impossible parameters for radial-hinge mechanisms, but this is also typical for all cross-referenced locations where spoke-counts are an even multiple of any applicable arc-count per chord. For the following discussion, a sixteen-spoke radial-hinge mechanism; with seven arcs per chord; has been chosen with its position emphasized on the chart of Fig. 17.--

Please replace paragraph [0108] with the following amended paragraph:

--In addition, Fig. 18 reveals and clarifies a left-handedness as Fig. 19 displays a right-handedness; with both views being mirror images of each other (as are all full representations of all basic radial-hinge designs). Flipping over Fig. 18 results in Fig. 19, with the understanding that white spoke-segments depict all spokes in the foreground position in both views. Consequently, the black spoke-segments 1804a in Fig. 18 become white spoke-segments 1804b, when turned over 180 degrees into Fig. 19. All radial-hinge devices display this uniform double-spiral design infrastructure with left and right-handedness. Figs. 1-5b depict a left-handed twelve-spoke radial-hinge design, whereas Figs. 14-16 and 26 depict right-handed designs. It should be appreciated that both design approaches lead to the same result.--

Please replace paragraph [0109] with the following amended paragraph:

--Fig. 20 depicts a circle diagram 2000, with a circle 2008 that is evenly divided by delineations 2006a into sixteen arcs 2002 (with all even numbers of eight and above being eligible – see again chart of Fig. 17). Sixteen chords 2004 are then drawn between the

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delineations 2006a on the circumference of the circle 2008 and, in this case, to design a sixteen-spoke radial-hinge mechanism with each chord bridging seven successive arcs on the circumference. The dashed line-segments in Fig. 20 indicate typical placements for two end-connected chords 2004 as drawn from "a" to "b" to "c"; for the beginning of the continuous back-and-forth crisscrossing as depicted in Fig. 21, and where the circle 2008 of Fig. 20 has been erased from the scene, and where the delineations 2006a become peripheral points 2006b of the emerging mechanism.--

Please replace paragraph [0114] with the following amended paragraph:

--The path of spoke B also traveling away from the peripheral point 2006b in Fig. 25 is descriptively the exact opposite of the path described for spoke A. That is, spoke B first passes over spoke D, then under the next spoke, then over the next spoke, then under the next spoke, then over, then under the remaining seven spokes. Consistently, just as the path of spoke A away from ~~turning point 2203~~ peripheral point 2006b begins by passing over the first seven spokes, the path of spoke B ends by passing under the last seven spokes. This radial-spiral symmetry is indicative of all radial-hinge mechanisms. Furthermore, the seven spokes passed over by these foreground seminal spokes and the seven spokes passed under by the backside seminal spokes, correlate with the chart cross-reference in Fig. 17 for arc-count per chord, further revealing a seven-layered overlap of spoke crossings in this sixteen-spoke radial-hinge design keyed on seven arcs per chord. This correlation is common amongst all versions of radial-hinge mechanisms, with mechanism 100 of Fig. 1 posing as another example, being five-layered, with five arcs per chord. This aspect of layering vis-a-vis arc-count per chord suggests greater complexity and difficulty in construction as the arc-counts per chord get larger.--

Please replace paragraph [0117] with the following amended paragraph:

--Consequently, however, the end connector 104 in Fig. 6 (with an inner-thread cut to accommodate the 30 degree convergence angle on the pairs of spokes 102) may not be a good connector for the 22.5 degree convergence angle of the sixteen-spoke radial-hinge. On the

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other hand, off-the-shelf ~~wire-nuts-twist-on wire-connectors~~ equipped with conical inner-springs will actually accomplish the task in both situations due to the amorphous nature of the springs, but which also will not result in highly rigid connections and ~~wire-nuts-twist-on wire-connectors~~ are not available in an adequate variety of sizes for all situations.--

Please replace paragraph [0118] with the following amended paragraph:

--The resultant three-dimensional construction made from the two-dimensional single view is a radial-hinge in the purest sense, with all spokes of equivalent length, all connections identical and parallelism replete. In general, radial-hinge mechanisms with greater arc-counts per chord will have smaller inner-apertures, which, in turn, ~~concentrates~~ concentrate the hinge more densely, thus, allowing it to open more easily and to a greater extent. It is also expected that some versions of a radial-hinge mechanism with high spoke-count and low arc-count per chord will also result in densely packed hinge-cores and likewise perform in a less resistant manner. In addition, the unique radial-hinge mechanism design-criteria are also the most logical and viable design-criteria for bringing about the unique principles and actions characteristic of the radial-hinge mechanism.--

Please replace paragraph [0131] with the following amended paragraph:

--The radial-hinge mechanism multiplies its potential usefulness when put into an active ~~roll-role~~ in active devices and apparatus and, though many of these productions will only entail the inclusion of a single radial-hinge mechanism, the greater variety of these active forms will be composites of two or more radial-hinge mechanisms variously connected together into a stack.--